




IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Buchwald, Stephen L., et al.	Examiner: Not Yet Assigned
Application No: 10/731,702	Group Art : Not Yet Assigned
Filing Date: December 9, 2003	Docket No.: MTV-014.05
Entitled: <i>Ligands for Metals and Improved Metal-Catalyzed Processes Based Thereon</i>	

CERTIFICATE OF FIRST CLASS MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA, 22313-1450, on March 15, 2004.


Shirine Darvish

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97 (b)(3), Applicants submit herewith a Form PTO-1449 including a list of publications. Under 35 U.S.C. §120, the above-identified application has the benefit of the earliest filing date of the following applications: Serial Nos. 10/420,950, filed on April 22, 2003; 10/004,101 filed on October 23, 2001; 09/231,315 filed on January 13, 1999, now U.S. Patent No. 6,307,087; and 09/113,478 filed on July 10, 1998 now U.S. Patent No. 6,395,916. Copies of the documents (References A1-A42, B1-B23 and C1-C72) identified in the Form PTO-1449 are not provided because they were previously cited by or submitted to the Patent Office in prior patent applications; therefore, they are not required to be provided in this application. However, Applicants will gladly furnish copies of some or all of same upon request.

Applicants respectfully request that the Examiner consider the listed documents and indicate that each was considered by making appropriate notations on the attached Form 1449.

This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that the listed documents are material or constitute "prior art." If the Examiner applies a listed document as prior art against any claim in the patent application or a related application and Applicants determine that the cited document does not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such document.

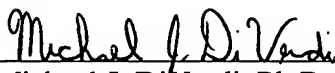
Applicants further reserve the right to take appropriate action to establish the patentability of claims over the listed documents should the any of the documents be applied against the claims of the present application or of a related application.

Under 37 C.F.R. § 1.97 (b)(3), this Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits; therefore, no fee is believed to be due in connection with this submission. However, the Commissioner is authorized to charge any deficiencies or credit any overpayment to/from our **No. 06-1448**.

Respectfully submitted,
FOLEY HOAG LLP

Dated: March 15, 2004

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Group Art Unit

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINEE INITIALS & TRADEMARK	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	US 4,604,474	08/05/86	Kumobayashi et al.	556	7	03/21/85
	A2	US 4,691,037	09/01/87	Yoshikawa et al.	556	18	01/06/86
	A3	US 4,739,084	04/19/88	Takaya et al.	556	21	04/15/87
	A4	US 4,739,085	04/19/88	Takaya et al.	556	21	06/15/87
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	A6	US 4,992,519	02/12/91,	Hou, D. et al	568	315	12/21/89
	A7	US 4,994,590	02/19/91	Takaya et al.	556	21	10/24/89
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	A9	US 5,144,050	09/01/92	Chan et al.	556	20	10/01/91
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	A14	US 5,312,939	05/17/94	Hori et al.	556	14	07/10/91
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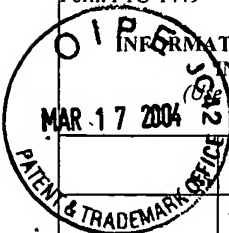
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(See several sheets if necessary)

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A42	US 6,395,916	5/28/02	Buchwald et al.	556	413	

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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
B1	EP 0 118 257 A1	09/12/84	European Patent Application				
B2	EP 0 135 392 A2	03/27/85	European Patent Application				X
B3	EP 0 156 607 A2	10/02/85	European Patent Application				
B4	EP 0 156 607 B1	10/02/85	European Patent Specification				
B5	EP 0 174 057 A2	03/12/86	European Patent Application				
B6	EP 0 174 057 B1	03/12/86	European Patent Specification				
B7	EP 0 118 257 B1	12/17/86	European Patent Specification				X
B8	EP 0 235 450 A1	09/09/87	European Patent Application				
B9	EP 0 135 392 B1	02/03/88	European Patent Specification				
B10	EP 0 503 884 A1	09/19/91	European Patent				X
B11	EP 0 466 405 A1	01/15/92	European Patent Application				
B12	EP 0 466 405 B1	01/15/92	European Patent Specification				
B13	EP 0 667 350 A1	08/16/95	European Patent Application				X
B14	WO 95/22405	08/24/95	PCT				

Form PTO-1449				Docket Number (Optional) MTV-014.05		Application Number 10/731,702		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>				Applicant Buchwald, Stephen et al.				
				Filing Date December 9, 2003		Group Art Unit		
	B15	JP 0 733 0786	12/19/95	Japan Patent Abstract			X	
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	B20	WO 98/12202	03/26/98	PCT				X
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	C4	David W. Old et al., "A Highly Active Catalyst for Palladium-Catalyzed Cross-Coupling Reactions: Room-Temperature Suzuki Couplings and Amination of Unactivated Aryl Chlorides," <i>J. Am. Chem. Soc.</i> , Vol. 120, pp. 9722-9723 (1998)						
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	C19	Cornils, B., "Industrial Aqueous Biphasic Catalysis: Status and Directions", Org. Proc. Res. Dev., 2:121-127 (1998)	
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